Uncle Sam Sets the Standards of Home Measurements

nesses, in hairdressing, in landscape standardized in its possession. This gardening and a multitude of other would insure a uniformity of standthings change also, and some are ex- ards.

with what rapidity styles in that its immediate duty was to stand-dress change. But styles in ardize sets of measures, and, further, fads, in automobiles, in ill- to see that each state had sets so

remely temporary in duration.

Recently a species of style has penetrated to the very heart of the culinary department of households, and in a thoroughly modern and progressive home a cook who measures by any-

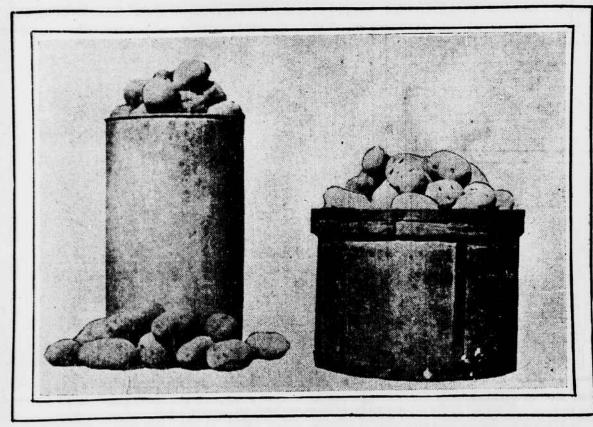
NO Longer May the Up-to-Date Cook Use "a Pinch of Salt" or "Sweeten to Taste"—Diet of the Growing Child Must Be Carefully Regulated-Bureau of Standards Explains the "Scientific Way"-Weights and Measures in the Kitchen-Deceptions Practiced by Unscrupulous Dealers—Thermometers in the House—The Question of Fuel.

grade scale is different, the ice point being zero and the boiling point 109 degrees.

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Many households wish to test their thermometers. A thermometer can be tested very easily by filling a tumbler with ice shavings and ice-cold pure water and thrusting the bulb of the thermometer into this mixture. When the mercury of the thermometer has fallen to 32 degrees F., or 0 degrees c.,

warmer when the fur is worn on the inside instead of on the outside is because the air cannot get in and displace the air between the hairs. Why will a black kettle cool so much more rapidly than an aluminum or nickel one? Simply because it does not keep its heat but is constantly radiating it. That is why the best stoves are black. The best kettles for a coal stove are black on the bottom. For a gas range it makes little difference, because the heat is given not so much the mercury of the thermometer has fallen to 32 degrees F., or 0 degrees c.,



importance which cannot be overestimated.

For instance, from the very dawn of an infant's life, if strict hygiene is to be observed, measurements are made. There must be scales in which to weigh the baby; a "fever" thermometer is the best prognosticator of a coming illness, and to be forewarned is to be forearmed. There are measurements to determine its height, its strength. The ergograph registers the power of its endurance; the chronograph, of its perceptions. The diet of a growing child must be carefully regulated if the best results are to be obtained; through exact measurements can its mother satisfy hersel' as to this. Not only during infancy and youth are these measurements desirable, but also during an individual's whole life.

The bureau advises each household to provide itself with four sets of measuring appliances, namely:

1. A test set of weights and measures.

2. Meters for measuring gas, water, destricts as to the connection of the composition of the commodity of the commodity without any covering. In case she finds that short weight has been delivered she notifies her dealer, and unless the practice is rectified she has the privilege of giving her patronage to other dealers.

Shortages are frequentity found in meat purchases, and in order to cover a shameful discrepancy the butcher will exclaim that the meat was weighting the strength of the commodity without any covering. In case she finds that short weight has been delivered she notifies her dealer, and unless the practice is rectified she has the privilege of giving her patronage to other dealers.

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2. Meters for measuring gas, water, a shameful discrepancy the butcher will explain that the meat was weigh-

electricity, etc.

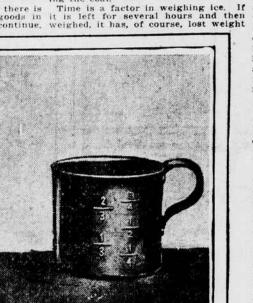
3. Special instruments for measuring temperature, pressure, inoisture.

4. Special measures for the kitchen.
After an investigation by the government, which included every state in

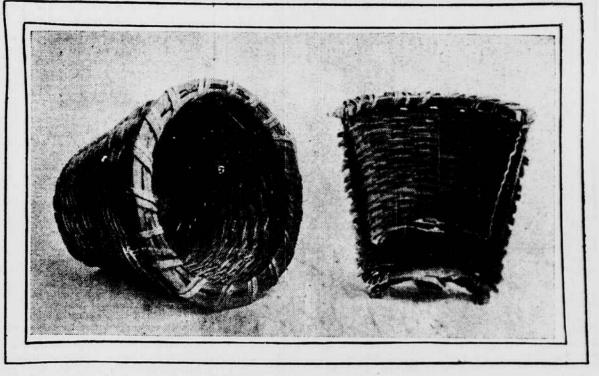
will explain that the meat was weighmings are of use to the housewife and
there is no adequate reason assigned
for their non-deliverance.

The best liquid measure is of enam-





A GRADUATE AND TEASPOON AND CUP MEASURES.



BASKET SHOWING FAKE SIDES AND BOTTOM

eral thermometers, one for ascertaining the temperature of a room, one for the bath, one for outdoors, one for the bath, one for outdoors, one for the milk, a clinical thermometer, etc.

It is interesting to observe the process in making a thermometer. A glass tube with a small diameter is first selected and onto the end of this a glass bulb is blown. This bulb and a little of the stem of the tube is filled with mercury, the air removed and the tube carefully sealed. It is next placed in water of different temperatures, and the tube at these different cork, cotton are all good insulators. The places where the top of the mercury touches the tube at these different temperatures are marked. A scale is the made on the glass. The ice point on the Fahrenheit is 32 degrees, the boiling point 212 degrees. The centi
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Conservation of heat for purposes of cooking was tried experimentally, and finally the fireless cooker was evolved, and in many homes is regarded as most welcome labor-saving device.

There are many varieties of heat insulators. The good ones pack a large amount of air in the cells between the tube with a smell diameter is first semperature on the places where the took, and watches too, that are cooking was tried experimentally, and finally the fireless cooker was evolved, and in many homes is regarded as most welcome labor-saving device.

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Rare Old Masterpieces of Map-Making Preserved in Library of Congress

DD Charts, Many of Them Highly Colored and Profusely Illustrated, Tell Stories of

the Rarest Maps of the Western Hemisphere--It Covers the Coast From Present New Jersey to a Point Somewhere in North Carolina-Capt. John Smith's Map-A Wonderful

Early Discoveries in America—The Herrman Map of Maryland and Virginia Is One of



O trace of antiquarian dust terest because of their design and natives traveled by water. He makes lingers about the carefully preserved and displayed rare old masterpieces in the map divi
The Herrman map of Maryland and some of the manors including his some of the manors including his

Globe Map Divided Into Twelve Gores.

is that the north is at the right instead of the top of the page. Unlike many of the maps of that period, it is uncolored, but on the right is a medallion engraving of the explorer in general appearance not unlike the familiar portraits of John Milton. The coat of arms of Lord Baltimore and the royal arms of Great Britain, elaborately engraved, are prominent adornments of the page.

Although Herrman was quite familiar with a great part of the territory covered by his survey, he could only make what, in the slang of the day, would be called "stabs" at describing some portions. Thus he marks the land "between the James river and the Roanoke as for the most part low, sunken, swampy land not well passable, and therein harbors tygers, bears, and other devowringe creatures"—evidently good reasons for omiting a personal survey.

A picture of "an Indian canoe, made out of a tree with their battles (paddles?) and oars," was deemed desirable LEE PHILLIPS, CHIEF OF THE MAP DIVISION, LIBRARY OF CONGRESS. to show the person of that day how the



between them should arise or that strong measures should be taken by each. The stories differ as to the causes of the quarrel—some say it was a love affair, but that is hardly probable; others say it was through Herrman's failure in business—but as a result the Dutchman caused the arrest of the Bohemian.

One version is that Herrman feigned madness and refused to go to jail unless he could ride there on his favorite white horse, while other historians—perhaps of the Dietrich Knickerbocker order—say that Stuyvesant had secured the conviction of the map maker on some charge which involved a death sentence.

The story runs that, under the law of the land, a condemned criminal had a right to make one request, which must if possible be granted, before execution, and Herrman requested that his white horse be brought to his cell door that he might fondle the one faithful friend in farewell.

All stories agree that at exactly the right moment Herrman mounted the tried charger, which, at his master's voice, dashed all opposition aside and carried him to the banks of the Hudson river. Closely followed by the Dutch

